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McNamara et al.

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(54) **METHODS AND SYSTEMS FOR ADJUSTING POWER CONSUMPTION BASED ON A FIXED-DURATION POWER OPTION AGREEMENT**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(57) **ABSTRACT**

(51) **Int. Cl.**

H02J 3/14 (2006.01)

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G06F 1/3203 (2019.01)

Examples relate to adjusting load power consumption based on a power option agreement. A computing system may receive power option data that is based on a power option agreement and specify minimum power thresholds associated with time intervals. The computing system may determine a performance strategy for a load (e.g., set of computing systems) based on a combination of the power option data and one or more monitored conditions. The performance strategy may specify a power consumption target for the load for each time interval such that each power consumption target is equal to or greater than the minimum power threshold associated with each time interval. The computing system may provide instructions the set of computing systems to perform one or more computational operations based on the performance strategy.

(52) **U.S. Cl.**

CPC **H02J 3/14** (2013.01); **G06F 1/3203** (2013.01); **H02J 3/008** (2013.01)

(58) **Field of Classification Search**

CPC H02J 3/14; H02J 3/008; G06F 1/3203
See application file for complete search history.

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20 Claims, 16 Drawing Sheets

